

WHAT IS CLAIMED IS:

1. A photoelectric switch comprising:

a casing having an elongated rectangular top surface; and

5 a first and a second display sections disposed side by side on the top surface of the casing along a lengthwise direction thereof;

wherein the first and the second display sections display at least one of a first display information and a second display
10 information, the first display information includes a threshold value displayed on the first display section and a current light reception amount displayed on the second display section, and the second display information includes a tolerance value displayed on one of the first and the second display sections
15 and at least one of the tolerance value and the current light reception amount displayed on the other of the first and second display sections.

2. The photoelectric switch as claimed in claim 1, further
20 comprising:

an adjusting threshold value switch provided on the top surface at an end part thereof in the lengthwise direction thereof.

3. The photoelectric switch as claimed in claim 2, further comprising:

an output on/off indicator provided on the top surface of the casing opposite an end part where the threshold value
5 adjusting switch is provided.

4. The photoelectric switch as claimed in claim 3, further comprising:

a switch for switching between the first and the second
10 display information displayed on the first and the second display sections provided on the top surface.

5. The photoelectric switch as claimed in claim 1, wherein the first display information is numerically displayed
15 in a plurality of digits on the first and the second display sections.

6. The photoelectric switch as claimed in claim 1, wherein the first and the second display sections display a
20 third display information, the third information includes a maximum current light reception amount displayed on one of the first and the second display sections and a minimum current light reception amount displayed on the other of the first and second display sections.

7. The photoelectric switch as claimed in claim 1,
wherein the current light reception amount is displayed on the
other of the first and second display sections as the second
5 display information.

8. The photoelectric switch as claimed in claim 1,
wherein the first and the second display sections numerically
display in a plurality of digits.

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9. The photoelectric switch as claimed in claim 8,
wherein the first and the second display sections display the
plurality of digits in a lengthwise direction thereof
respectively, and the first and the second display sections are
15 disposed so that the lengthwise direction thereof is parallel to
the lengthwise direction of the top surface.

10. The photoelectric switch as claimed in claim 1,
wherein at least one of the first and second display sections
20 display at least one of a tolerance of a maximum value and a
minimum value.

11. The photoelectric switch as claimed in claim 1,
wherein the first and second display sections are disposed

adjacent to each other so as to be positioned side by side on one face of the casing.

12. The photoelectric switch as claimed in claim 1,
5 wherein said photoelectric switch is a separate-type photoelectric switch including a head unit for emitting light to an object to be detected and receiving light from the object, and a main unit for processing light received from the head unit, and
10 wherein the first and second display sections are disposed on at least one of the head unit and the main unit.

13. The photoelectric switch as claimed in claim 1, wherein said photoelectric switch is a transmission-type photoelectric switch including a light emission head for emitting light to an
15 object to be detected, a light reception head for receiving light from the object, and a main unit for processing the received light from the light reception head,

wherein the first and second display sections are disposed on at least one of the light emission head, the light reception
20 head, and the main unit.

14. A photoelectric switch comprising:
a casing having an elongated rectangular top surface; and
a first and a second display sections disposed side by side

on the top surface of the casing along a lengthwise direction thereof;

wherein the first and the second display sections display at least one of a first display information and a second display information, the first display information includes a threshold value displayed on the first display section and a current light reception amount displayed on the second display section, and the second display information includes a maximum current light reception amount displayed on one of the first and the second display sections and a minimum current light reception amount displayed on the other of the first and second display sections.

15. The photoelectric switch as claimed in claim 14, further comprising:

15 a threshold value adjusting switch provided on the top surface at an end in the lengthwise direction thereof.

16. The photoelectric switch as claimed in claim 14, further comprising:

20 an output on/off indicator provided on the top surface opposite an end part where the threshold value adjusting switch is provided.

17. The photoelectric switch as claimed in claim 16,

further comprising:

a switch for switching between the first and the second display information displayed on the first and the second display sections provided on the top surface.

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18. The photoelectric switch as claimed in claim 14, wherein the first display information is numerically displayed in a plurality of digits on the first and the second display sections.

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19. The photoelectric switch as claimed in claim 14, wherein at least one of the first and second display sections display at least one of a tolerance of a maximum value and a minimum value.

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20. The photoelectric switch as claimed in claim 14, wherein the first and second display sections are disposed adjacent to each other so as to be positioned side by side on one face of the casing.

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21. The photoelectric switch as claimed in claim 14, wherein said photoelectric switch is a separate-type photoelectric switch including a head unit for emitting light to an object to be detected and receiving light from the object, and

a main unit for processing light received from the head unit, and
wherein the first and second display sections are disposed
on at least one of the head unit and the main unit.

5 22. The photoelectric switch as claimed in claim 14,
wherein said photoelectric switch is a transmission-type
photoelectric switch including a light emission head for emitting
light to an object to be detected, a light reception head for
receiving light from the object, and a main unit for processing
10 the received light from the light reception head,

wherein the first and second display sections are disposed
on at least one of the light emission head, the light reception
head, and the main unit.